18464

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SOUNDINGS IN FATHOMS

Nautical Chart Catalog No. 2, Panel G

Nautical Miles

Yards

KEYSTONE HARBOR
The controlling depth at M.L.L.W. was 18 feet for a mid-width of 100 feet in the Entrance Channel and 9 feet in the Mooring Basin except for shoaling along the edges of the Basin.
Oct 1987

Formerly C&GS 6405, 1st Ed., Jan. 1992

(CONTINUED ON CHART 18471)

UNITED STATES - WEST COAST
WASHINGTON
PORT TOWNSEND

Mercator Projection
Scale 1:20,000
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodesic Services with additional data from the Corps of Engineers and the U.S. Coast Guard.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected on average of 0.873" southward and 4.604" westward to agree with this chart.

NOTE A
Navigation regulations are published in Chapter 7 U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, WA, or at the Office of the District Engineer, Corps of Engineers in Seattle, WA.
Refer to charted regulation section numbers.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

PORT TOWNSEND

Point Wilson

Point Hudson

Admiralty Head

Marrowstone Pt

Glen Cove

Walan Pt

Kala Pt

Crane Pt

Bishops Pt

Hadlock

Foulweather Bluff

Raven Rock

Nordland

Jefferson Head

Nodule Pt

SCOW BAY

ADMIRALTY INLET

PORT TOWNSEND

MIDCHANNEL BANK

SOUTHBOUND PUGET SOUND TRAFFIC LANE

NORTHBOUND PUGET SOUND TRAFFIC LANE

SEPARATION ZONE

VESSEL TRAFFIC SERVICE 161°31'-161°37' 48°05'-48°12' (see note H)

RESTRICTED AREA 334.1210 (see note A)

RESTRICTED AREA 334.1270 (see note A)

EXPLOSIVES ANCHORAGE (see note C)

NAVAL OPERATING AREA (see note C)

Disposal Area Depths from survey of 1942-43

Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

Nautical Miles

Yards

TIDAL INFORMATION

Place	Name	(Lat/Long)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
			feet	feet	feet	feet
Port Townsend		(48°07'N/122°45'W)	8.5	7.7	2.5	−4.6
Marrowstone Point		(48°06'N/122°41'W)	8.8	8.1	2.5	−4.5
Oak Bay		(48°01'N/122°43'W)	9.4	8.8	—	−4.5

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ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated)

NOTE C
NAVAL OPERATING AREAS
Mariners should use caution as naval craft may be maneuvering within the areas. For further information consult Local Notices to Mariners.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals or aids to marine navigation can be found in the U.S. Coast

PORT TOWNSEND CANAL
(NS 235 (see note A))
Project depth, 15 ft.; width, 75 ft.
Controlling depth – June 1985
Northeastern outside quarter ..... 15.3 ft.
Middle Part ..... 14.0 ft.
Southwestern outside quarter ..... 13.9 ft.

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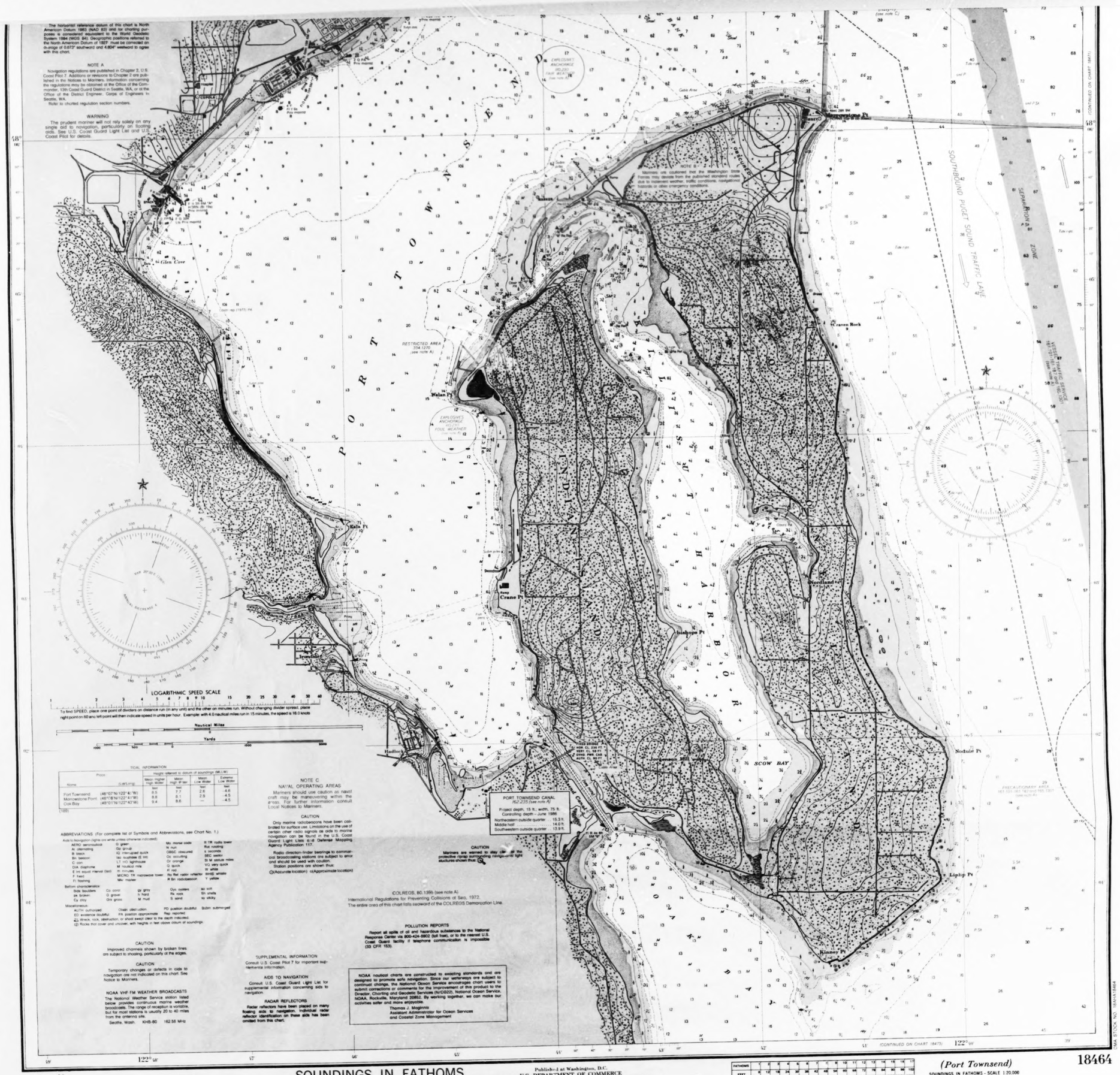
The horizontal reference datum of this chart is North American Datum 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.672" southward and 4.804" westward to agree with this chart.
NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, WA, or at the Office of the District Engineer, Corps of Engineers in Seattle, WA.
Refer to charted regulation section numbers.
WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.
PUGET SOUND
PORT TOWNSEND
HARBOR
ISLAND
INDIAN
Glen Cove
Kala Pt
Walan Pt
Crane Pt
Ivan Pt
Hadlock
Raven Rock
Nordland
Bishops Pt
Nodule Pt
Lipip Pt
Kinney Pt
Tamanawas Hill
SCOW BAY
OAK BAY
RESTRICTED AREA
EXPLOSIVES ANCHORAGE
Cable Area
SOUTHBOUND PUGET SOUND TRAFFIC LANE
SEPARATION ZONE
NOTE B
Mariners are cautioned that the Washington State Ferries may deviate from the published standard routes due to inclement weather, traffic conditions, navigational hazards or other emergency conditions.
FORT TOWNSEND CANAL
Project depth, 15 ft., width, 75 ft.
Controlling depth - June 1986:
Northeastern outside quarter 15.3 ft.
Middle half 14.0 ft.
Southwestern outside quarter 13.9 ft.
NOTE C
NAVAL OPERATING AREAS
Mariners should use caution as naval craft may be maneuvering within the areas. For further information consult Local Notices to Mariners.
CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)
CAUTION
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:
COLREGS, 80.1386 (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.
POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).
NOAA nautical charts are constructed to exacting standards and are designed to promote safe navigation. Since our waterways are subject to continual change, the National Ocean Service encourages chart users to submit corrections or comments for the improvement of this product to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852. By working together, we can make our activities safer and more enjoyable.
Thomas J. Maglesnis
Assistant Administrator for Ocean Services and Coastal Zone Management
LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots
Nautical Miles
Yards
TIDAL INFORMATION
ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.
CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
Seattle, Wash. KHB-80 162.55 MHz
CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.
SOUNDINGS IN FATHOMS
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
(CONTINUED ON CHART 18473)
(CONTINUED ON CHART 18471)
(Port Townsend)
SOUNDINGS IN FATHOMS - SCALE 1:20,000
19th Ed., June 3/89 ■
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